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(71) Applicant and

(72) Inventor: KOVACS, Laurence, Keith [GB/GB]; 107 Baswich Lane, Stafford, Staffordshire ST17 0BN (GB).

(74) Agent: SKINNER, Michael; Swindell & Pearson, 48 Friar Gate, Derby DE1 1GY (GB).

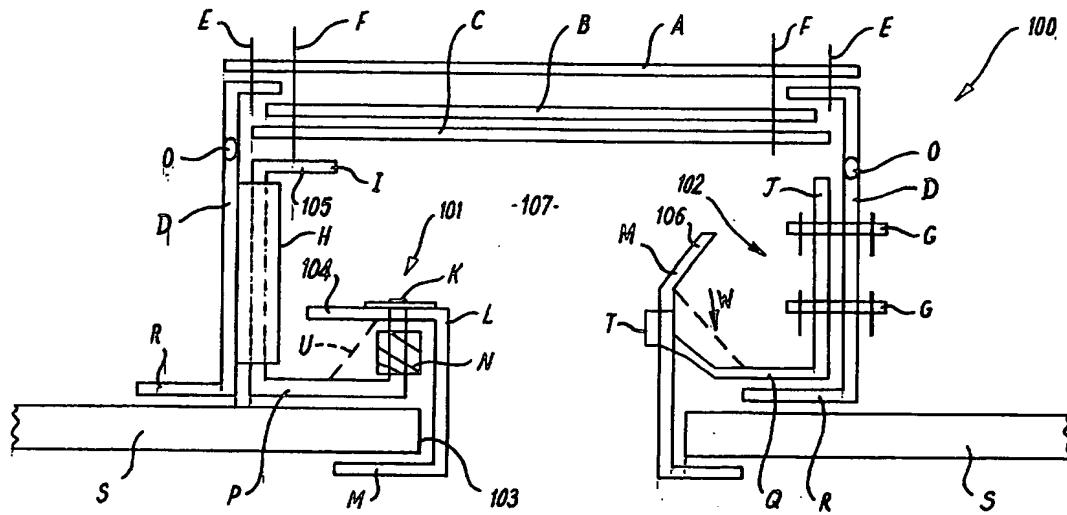
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MOUNTING ASSEMBLY WITH INTUMESCENT LAYER FOR DOWNLIGHTERS



(57) Abstract: An assembly (1) is described for use with downlighters incorporating an intumescent layer (53) secured to a backer member (52) such that the assembly (1) conceals the downlighter when a fire is generated by the light fitting within the downlighter. The assembly (1) comprises an expansion combination (51) positioned with the combination (51) secured to one part (4) of a retention means whilst a cover (8) over an opening (9) for the downlighter is retained by another part (5) of the retention means. The invention also provides retention means (101) which are adjustable to allow the effective length of the mounting arrangement (100) to be varied as required for specific installations.

INTERNATIONAL SEARCH REPORT

Internatc
PCT/GB 03/03229

A. CLASSIFICATION OF SUBJECT MATTER			
IPC 7	A62C2/06	H04R1/02	F21V25/00 F21V21/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A62C E06B E04B F21V H04R

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category •	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 887 396 A (THORESON THOMAS L) 30 March 1999 (1999-03-30) figure ALL	1,2,4,6, 9-14,17
X	WO 99 02919 A (WARD DEREK ALFRED ;EURO PASSIVE FIRE PROTECTION L (GB)) 21 January 1999 (1999-01-21) the whole document	1,2,4,6, 7,11,14
X	GB 2 297 609 A (ENVIRONMENTAL SEALS LTD) 7 August 1996 (1996-08-07) the whole document	1,2,4-6, 11-14
X	US 6 104 601 A (MATTHEWS CHRISTOPHER HOWARD) 15 August 2000 (2000-08-15) the whole document	23-27,29
	—	-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

- "T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the International search

14 November 2003

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02/12/2003

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl.
Fax: (+31-70) 340-3016

Authorized officer

Schut, T

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 941 028 A (MILTON OSWALD HEMMING) 6 November 1963 (1963-11-06) the whole document -----	23, 25, 29
A	US 6 161 873 A (MILHES JEAN-LOUIS ET AL) 19 December 2000 (2000-12-19) the whole document -----	1

INTERNATIONAL SEARCH REPORT

Intern

Application No.
PCT/GB 03/03229

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.: 32-34 because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210

3. Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/GB 03 03229

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 32-34

Claims 32-34 do not meet the requirements of Rule 6.2(a), since they only refer to the drawing or the application as a whole and therefore are not clear within the meaning of Article 6 PCT. Consequently, these claims have not been searched.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

International Application No. PCT/GB 03 03229

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-22,31

An assembly comprising an expansion combination secured by retention means and a cover or panel secured by another part of the retention means.

2. Claims: 23-30

A mounting arrangement for an assembly comprising retention means with adjustment means allowing the length of the assembly to be varied.

INTERNATIONAL SEARCH REPORT

Information on patent family members

 International Application No
 PCT/GB 03/03229

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5887396	A	30-03-1999	CA EP WO	2330282 A1 1077745 A1 9958199 A1		18-11-1999 28-02-2001 18-11-1999
WO 9902919	A	21-01-1999	AT AU DE EP WO	215203 T 7538598 A 69804461 D1 0995064 A1 9902919 A1		15-04-2002 08-02-1999 02-05-2002 26-04-2000 21-01-1999
GB 2297609	A	07-08-1996	AT AU DE DE DK EP ES WO GR ZA	178678 T 3812495 A 69508968 D1 69508968 T2 805903 T3 0805903 A1 2132730 T3 9623113 A1 3030647 T3 9509774 A		15-04-1999 14-08-1996 12-05-1999 09-12-1999 25-10-1999 12-11-1997 16-08-1999 01-08-1996 29-10-1999 29-05-1996
US 6104601	A	15-08-2000	US US US	6259596 B1 2002041480 A1 2002030964 A1		10-07-2001 11-04-2002 14-03-2002
GB 941028	A	06-11-1963	NONE			
US 6161873	A	19-12-2000	DE AU AU	19806012 A1 747868 B2 1543299 A		19-08-1999 23-05-2002 02-09-1999